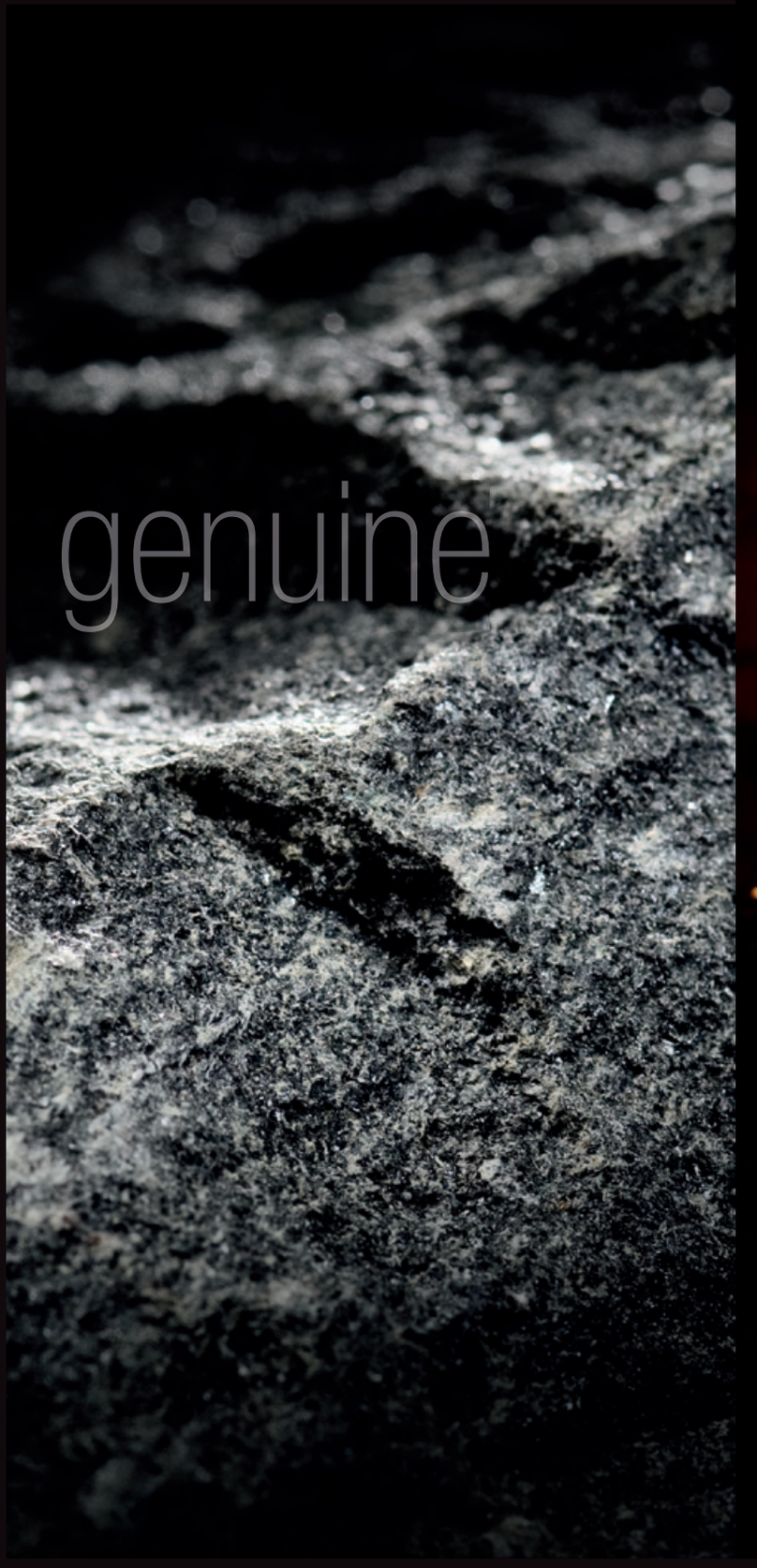
KASTOR

Follow your fire

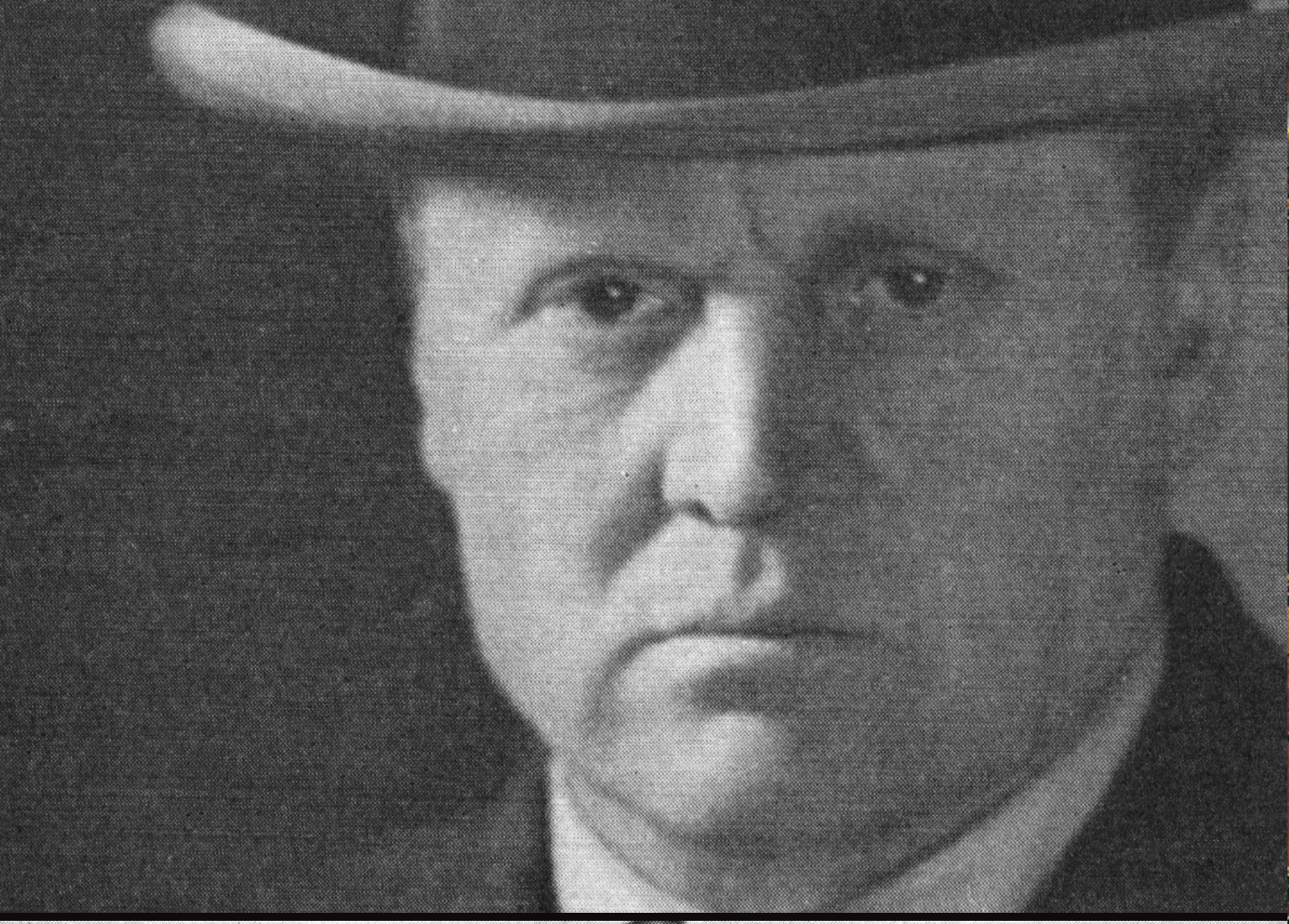
WOOD BURNING SAUNA HEATERS & FIREPLACES

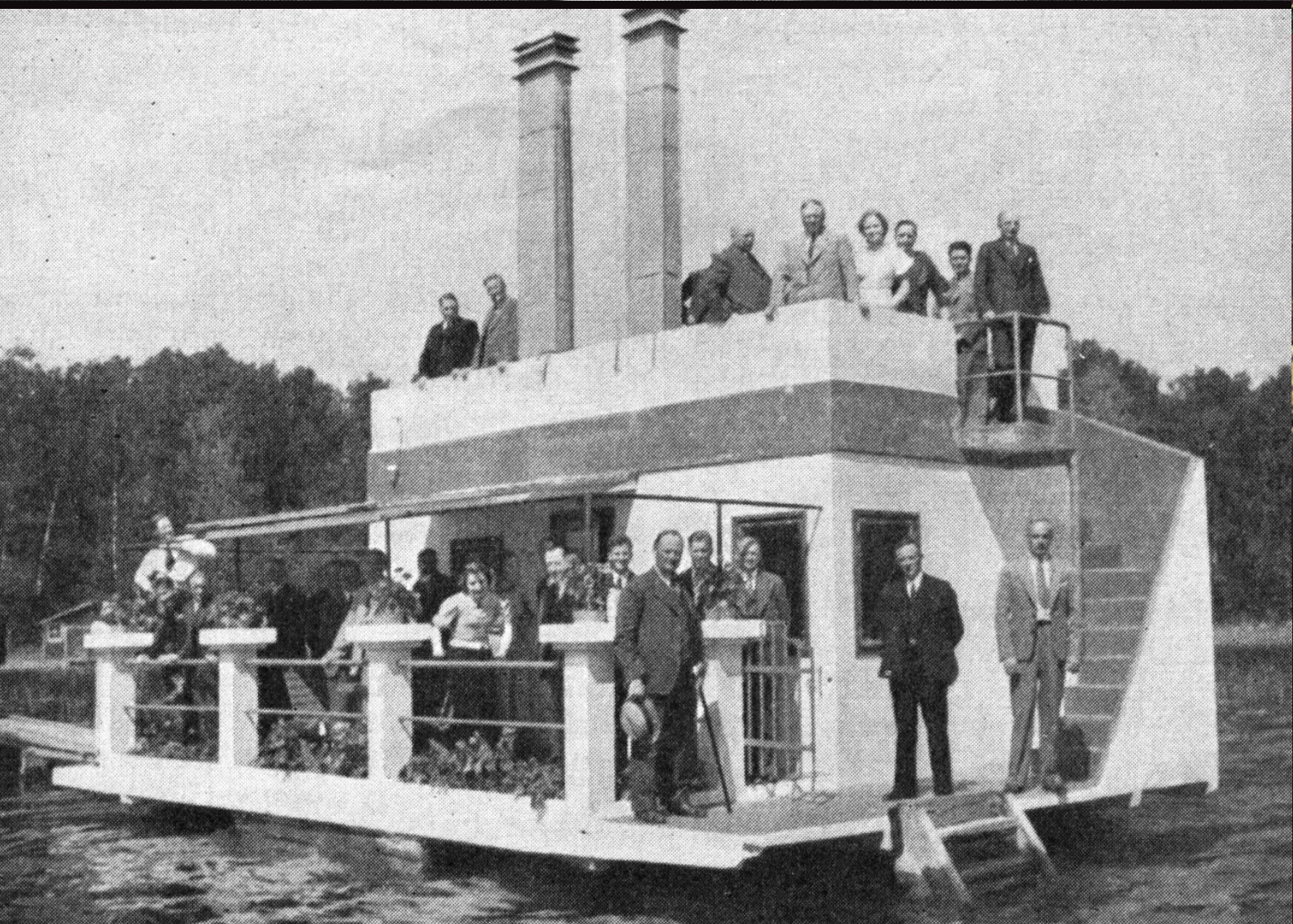


Tradition can be a cold shadow or a warm light. Kastor has followed the latter, continually developing and refining every conceivable angle to harnessing fire. Remaining marvellously primal. Yet staying coolly ahead of the curve. Qualities also often appreciated in the Kastor owner.

To sit before the fire is to leap across the chasms of time, clinging to a thread of human ancestry. There is much more than a flame here. This is the beginning of everything. The catalyst of all human achievement. The re-kindler of the fire within.

When you decide there is no room for compromise, you make more room for the real you. Kastor is available in a wide range of colours, capacities, abilities and sizes. Each is different. Yet all make the same statement—only the very best will do.





our story

We have been following our fire for more than 80 years now. In that time, we have perfected the art of warming saunas and homes in the glow of nature's most passionate expression. Today we are building on that tradition with modern expressions of timeless pleasure—heaters that are as aesthetically pleasing as they are heart-warming.

My life.
MAKING IT HAPPEN.

TAKING MY LIFE TO THE NEXT LEVEL

If I had to sum up my life in just three words, they would probably be: harder, better, faster.

I live life hard. I work hard and play hard. ”Make things happen” is my motto; the driving force in my life is to constantly challenge myself to see just how far I can go. And once I’ve reached that personal limit, I push myself a little harder, a little further. Success is all in the mind.

DANIEL
member of
heloPeople

helosauna.com/daniel

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WOOD BURNING HEATERS

There is something special about a wood-fired sauna. The unique soothing caress of heat that doesn't "pinch." The smell of the wood as you feed the fire. The charm of the flames as they lick and play at the window of the stove. Wood-fired sauna, as any afficiondo will tell you, is the greatest sauna experience you can treat yourself to.

Kastor has been crafting wood-fired sauna heaters for more than 80 years. We know what it takes to recreate the most relaxing, pleasurable and healthful sauna experience imaginable. The technological and engineering expertise to get the most heat from the least amount of wood, for instance. Uncompromising material quality in every detail, however small. And the importance of aesthetics: stoves that are clean, elegant, appealing in every way.

Today Kastor wood burning heaters have the best energy efficiency ratio on the market and have also very low emissions. Kastor wood burning heaters are CE-marked and additionally to the CE-mark the flue gas temperatures in Kastor wood burning heaters are measured and a separate certificate of these results can be obtained (Standard SFS-7011).

PLEASURE PRINCIPLES

Harnessing fire for practical use is the basis of our existence. With time, we have invented ever more efficient methods to get more out of fire: hotter from hot. Once they are done, they are dressed in an elegant and polished exterior, which will also not leave its viewer cold.

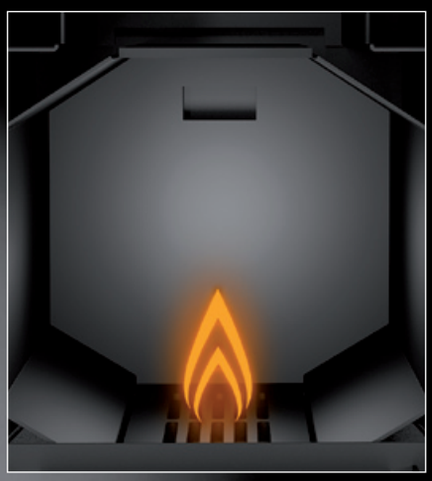
EVERY KASTOR WOOD BURNING STOVE COMES WITH A THREE YEAR WARRANTY FOR THE MATERIAL.

TECHNICAL HIGHLIGHTS:

1. Large, deep stone compartments hold plenty of rocks, the key to producing billows of soft, rich steam.
2. Innovative Coanda air circulation system means less wood is needed to heat stones and the sauna quickly.
3. The combustion is clean and the energy efficiency ratio as high as 70 %. As flue gas temperature is kept below 600°C you can choose a Kastor heat class T600 modular chimney for safe and easy installation.
4. Door window of Ceram glass, capable of withstanding 800° C.
5. Sturdy doors.
6. High grade steel used throughout.
7. Outer mantle of stainless zinc-aluminium alloy.
8. Adjustable legs.

COANDA AIR CIRCULATION SYSTEM

Air channels between the outer mantle and core guide the air heated in the fire box through slits into the stone compartment. The result is quick, smooth heating of the sauna stones which, in turn, ensures plenty of steam and effective heat circulation for the sauna. As the fire dies down, the fire box walls cool and the air stops rising to the stone compartment (the Coanda effect). This keeps the cooling effect away from the stones, helping them retain their heat longer.

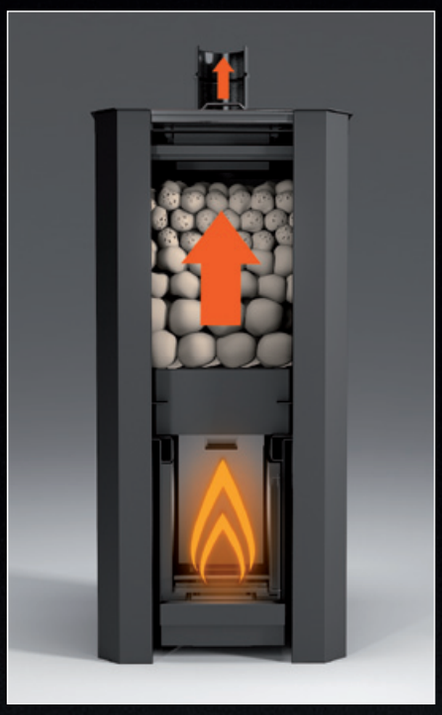


AIR CIRCULATION SYSTEM

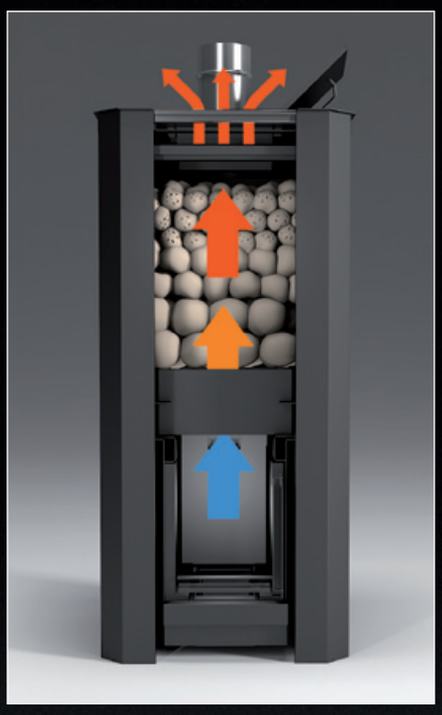
All new CE marked Kastor heaters are equipped with air circulation that directs the heat towards the top end of the firebox. the innovation makes your Kastor heater more durable than any conventional stove.

DEEP AND OPEN STONE COMPARTMENTS

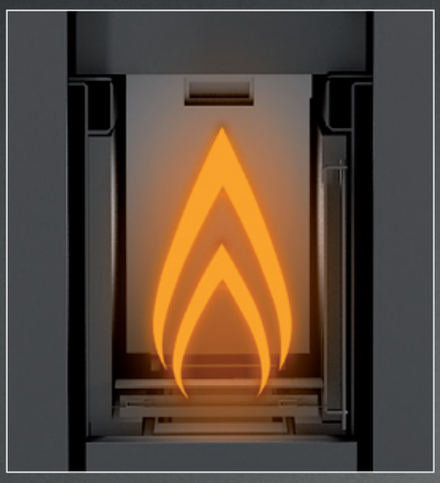
Water should come in contact with hot stones—not metal—to generate billows of soft, rich steam. Our sauna stoves are designed with deep and wide stone compartments that ensure water hits stones without contacting the metal walls and cooling the heat source. Besides smoother steam output, the deep stone wells store more heat more effectively, saving on wood.



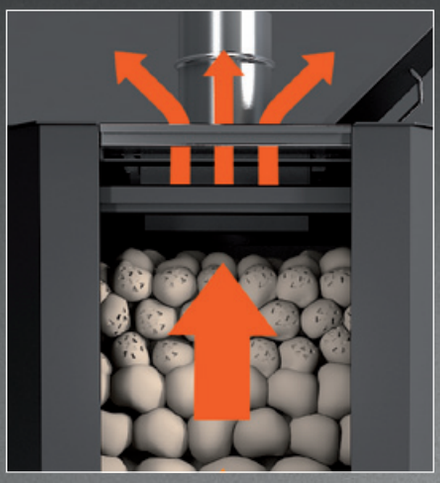
Upon heating, the fiery air first flows to the stone compartment, and from there to the flue. As a result, the sauna stones turn red-hot fast.



Air flowing through the heater immediately fills the sauna room with smooth pleasant steam when a ladle of water is thrown on the stones.



Due to the innovative combustion system the heater is more efficient than conventional stoves. Wood consumption is kept to a minimum and the sauna stones rapidly reach bathing temperature



The stones reserve energy efficiently, producing pleasant heat to the entire sauna room when you open lid on top of the stove. By closing the lid afterwards, you can retain the heat inside the stove and continue bathing for hours and hours.

Innovation meets tradition

FERO

The new Fero is an eco-friendly wood-burning heater with efficient wood use and low emissions. The innovative heat storing sauna stove is first pre-heated for roughly 1,5 hours to make even the upper sauna stones turn red. When the combustion is fully complete and the chimney damper still open, the sauna room and the heater are quickly ventilated after throwing a ladle of water on the stones*. – And you are ready for a traditional Finnish sauna experience preferred by true sauna lovers.

Fero
Sauna size (m^3): 16-22
Output (kW): 25

QUICK FACTS

- With just approximately 14 kg of firewood, Fero will reward you with hours and hours of smoothly caressing heat.
- The innovative insulation and ceramic brick grate inside the heater keep the natural heat harnessed.

SEE PAGE 28 FOR COMPLETE TECHNICAL SPECIFICATIONS.

*Please remove the remaining ashes before bathing. See user's manual for full operating instructions.

SAGA

Saga 20 PK

Comfort without compromise

Saga takes the delights of wood-fired sauna bathing to indulgent new heights. With capacities of 145 to 200 kg of exposed stones, Saga stoves provide wave after wave of the softest, most comfortable heat and steam that can be experienced. Its steel arms are forged for years of flawless performance; the rugged flair of its top-to-bottom stone exposure makes it a welcoming and mesmerising centrepiece for your sauna interior.
All Saga wood burning heaters are CE-certified.

Saga PK
Sauna size (m^3): 13 – 27
Output (kW): 20 – 24,8

Saga PK KSIL*
Sauna size (m^3): 13 – 20
Output (kW): 20

QUICK FACTS

- Saga heaters are also available in through-wall versions that enable a fireplace in one room, and sauna in the other.
- Because of the maximum exposure of stones, saunas with Saga stoves heat very quickly and efficiently.

SAGA IS AVAILABLE IN 2 DIFFERENT SIZES AND 2 DIFFERENT MODELS. SEE PAGE 28 FOR COMPLETE TECHNICAL SPECIFICATIONS.

*Tunnel version with large door.

KARHU

Karhu 20 PK

Reassuringly brilliant

Visually, it is easy to appreciate how Karhu's handsome lines and brushed steel finish can lift any sauna décor. Yet below the surface lies the soul of an engineer. Karhu's deep stone well, new air circulation system and reinforced shutter ensure stability and strength. Its intelligent Coanda air flow system uses less wood to provide maximum heating efficiency. No feature is extravagant, no detail unplanned.
All Karhu wood burning heaters are CE-certified.

Karhu PK
*Sauna size (m^3): 6 – 30,5*****
Output (kW): 16 – 29

Karhu 007 PK

Karhu PK ES
Sauna size (m^3): 12 – 24
Output (kW): 19,9 -24,7

Karhu PK VO*/VV**
*Sauna size (m^3): 13 – 30,5*****
Output (kW): 21,6 – 29

Karhu PK JK***
Sauna size (m^3): 13 – 20
Output (kW): 21,6

Karhu Pata
Output (kW): 15

QUICK FACTS

- The tunnel version can be installed in a wall between rooms, treating your guests to a comforting fireplace on one side and a relaxing sauna in the next.
- All Karhu stove models can be heightened or lowered as needed thanks to adjustable legs.

KARHU IS AVAILABLE IN 7 DIFFERENT SIZES AND 5 DIFFERENT MODELS. SEE PAGE 30 FOR COMPLETE TECHNICAL SPECIFICATIONS.

*Water tank on the right side seen from the door. **Water tank on the left side seen from the door. ***Tunnel version with small door.
****Also suitable for larger saunas 37m3

FIREPLACES

We all know the joys of a fireplace. Perhaps it competes with other modern trappings as the central focus of a room, but it isn't a fair fight. There is no replacing the unique feeling of sitting by the glow of the fire, its light and heat setting the mood for everything from quiet contemplation to discussion into the wee hours.

A fireplace can be your chance to bring the family together. It can be the spot where the party begins and ends. Or it can be your comfort zone for a few minutes of reflection at the end of a busy day.

PURE HEAT

Kastor fireplaces are models of performance, economy and design. Backed by more than a 80 years of ongoing development, each represents the highest possible standards in burning efficiency, safety and aesthetics. All of our fireplaces warm up quickly and with a minimum of fuss. They fit in as easily in an urban home as they do in a holiday cottage. And their structure makes them easy to install—even in a finished building, and even by yourself.

KASTOR

Fireplaces made easy

Kastor makes enhancing the value of your home or cottage with a modern and attractive fireplace as easy as it can be. Our fireplaces can be installed in any dwelling with an existing chimney, or anywhere it is possible to install one of our ready-made modular chimneys.

Always follow fire prevention regulations concerning safety distances when installing your Kastor fireplaces. Technical information and sizes are available on page 32.

Opera Rosso

Opera Nero

Melody Swing

Swing warms the room in every way—the latest advances in heating technology burn brightly within its luxurious soapstone-clad exterior, finished with an oversized picture window. CE certified.

Room volume: max 230 m³
Output range: 7 kW
Dimensions (w,d,h):
560 x 450 x 935 mm
Weight: 204 kg

Opera

The handsome stone clad Opera with the big glass door holds many little technical innovations that expand its use from a mere decorative highlight to a viable heat source. The colour of the stone cladding can be easily changed. CE certified.

Room volume: max 250 m³
Output range: 10 kW
Dimensions (w,d,h):
640 x 505 x 1315 mm
Weight: 210 kg

Tango

Tango truly improves the view with a large glass door and side windows that send fire light flickering across the room. A modern, sophisticated and compact fireplace, Tango is also ideal for smaller rooms. CE certified.

Room volume: max 200 m³
Output range: 6 kW
Dimensions (w,d,h):
520 x 525 x 1425 mm
Weight: 160 kg

Melody

Lightweight and free-standing, Melody makes an immediate impression—stylistically and by warming the room quickly and efficiently. Available in soapstone or with a lower weight steel cladding. CE certified.

Room volume: max 230 m³
Output range: 7 kW
Dimensions (w,d,h): 556 – 616 x 405 x 935 – 1120 mm
Weight: 86 kg (steel cladding), 287 – 366 kg
(soap stone cladding)

Bravo Soapstone

Bravo is an attractive option for any room that needs quick heating and an instant décor lift. Can be connected to the chimney from the top or the back. CE certified.

Room volume: max 230 m³
Output range: 6 kW
Dimensions (w,d,h):
630 x 530 x 1140 mm
Weight: 270 kg

See detailed information about the various sizes of Kastor fireplaces on page 32, “Technical data”.

MODULAR CHIMNEYS

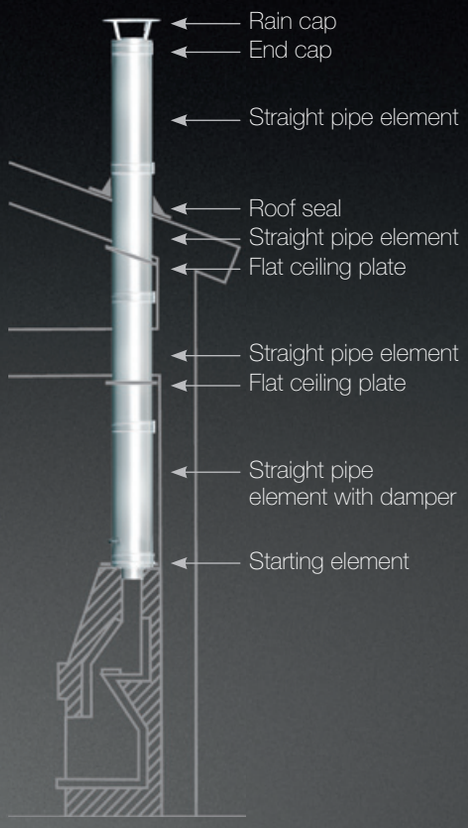
The chimney is not only a very necessary part of the fireplace or sauna heater, it can be a décor and mood addition. Best of all, you don't need have to be a DIY guru or engineering expert to install one—Kastor modular chimneys can be simple to build using our easy step-by-step system. The parts are guaranteed to fit and you do not need special tools to attach them.

Kastor modular chimneys are high quality, safe, and CE certified. The internal piping in Kastor modular chimneys is made of strong, acid-proof steel to withstand heat, cold, moisture and flue gasses. We use two sorts of wool material for insulation and the outer mantle is powder-painted or finished in stainless steel.

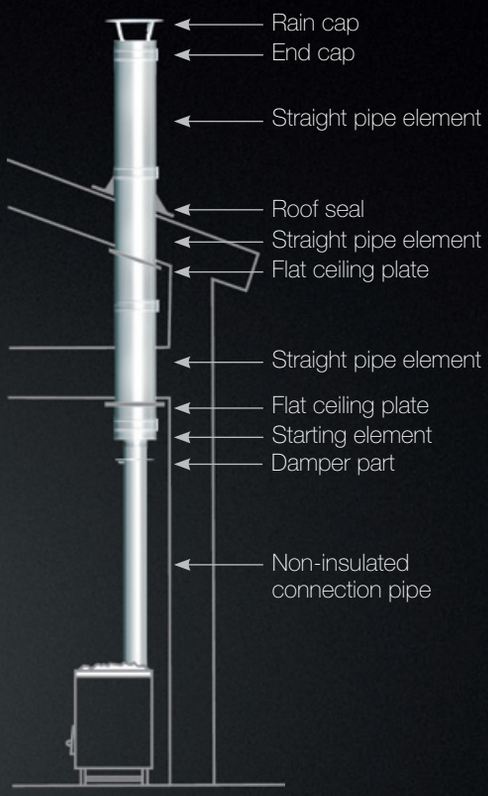
With Kastor modular chimneys, almost any room or building can be equipped with a fireplace. Just remember to ask the relevant authorities about local building ordinances first.

Installation examples

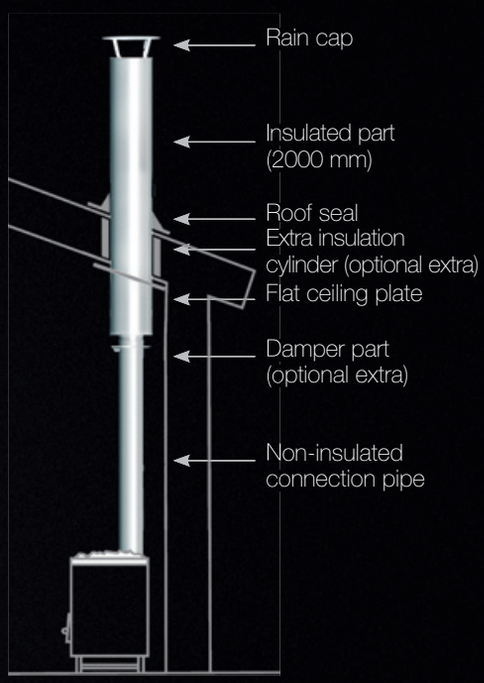
As you can see, all kinds of chimney configurations are possible. Installation is based on one simple principle: use the modules to assemble exactly the chimney you need by adding piece by piece from the fireplace connection up to the rain cover on top. Always check with local authorities for building ordinances and permissions before starting.



Installation from on top of the fireplace



Installation with non-insulated connection pipe



Kastor chimney set

The Kastor Chimney Set is a ready to install package that includes the uninsulated connection pipe, ceiling plate, 2 metres of insulated section and the rain cap.

See detailed information about the various sizes of Kastor modular chimney sets on page 32, “Technical data”.

TECHNICAL DATA

Depending on the region you live in, there may be local performance requirements related to wood fired sauna stoves and fire-places. Always check first to make sure you understand what's possible—the technical data in these pages can help, as can your nearest Kastor representative.

Wood burning heaters

FERO

Code	Model	Sauna size (m^3)	Output (kw)	Heater plate x depth x height (mm)	Safety distance from heater to flammable material (mm)				Sauna height (mm)
					In front	To the side (from the tank)	Behind	Above	
289040	FERO	16-22	25	571x1225x515	1000	250	250	1100	2300*

*Under sauna height protective plate must be used on the ceiling.

Wood burning heaters

SAGA

Code	Model	Sauna size (m^3)	Output (kw)	Heater plate x depth x height (mm)	Safety distance from heater to flammable material (mm)				Sauna height (mm)
					In front	To the side (from the tank)	Behind	Above	
289025	SAGA 20 PK	13-20	20	600 x 585 x 825	500	250	250	1400	2300*
289027	SAGA 20 PK KSIL	13-20	20	600 x 585 x 825	500	250	250	1400	2300*
289029	SAGA 27 PK	20-27	24,8	674 x 583 x 929	500	250	250	1300	2300*

*Under sauna height protective plate must be used on the ceiling.

Explanations

KSIL = Big door, through the wall, tunnel model.

Front frame width x height (mm)	Extension neck x height x (length) (mm)	Water tank (l)	Flue opening Ø (mm)	Chimney diameter Ø (mm)	Rear flue opening height the from floor (mm)	Distance from centre of upper flue opening to back edge (mm)	Weight without stones (kg)	Stone capacity (kg)	Model
–	–	–	129	130	–	143	148	74	FERO

Good to know

- Visible tile and glass surfaces increase the cubic volume by 3 m3 per each tile wall or single glass wall square metre exceeding 2 m2.
- If the sauna has uninsulated log walls, 25 % should be added to the volume. If in between sizes, always choose the larger sauna stove model.
- The stones of Fero heater should be ceramic stones, Ø 60/80/100 mm.

Front frame width x height (mm)	Extension neck x height x (length) (mm)	Water tank (l)	Flue opening Ø (mm)	Chimney diameter Ø (mm)	Rear flue opening height the from floor (mm)	Distance from centre of upper flue opening to back edge (mm)	Weight without stones (kg)	Stone capacity (kg)	Model
–		–	129	130	505	155	93	145-150	SAGA 20 PK
603 x 636	403 x 534 (185-320)	–	129	130	–	155	103	145-150	SAGA 20 PK KSIL
–	–	–	129	130	640	155	109	195-200	SAGA 27 PK

Good to know

- Visible tile and glass surfaces increase the cubic volume by 3 m3 per each tile wall or single glass wall square metre exceeding 2 m2.
- If the sauna has uninsulated log walls, 25 % should be added to the volume. If in between sizes, always choose the larger sauna stove model.
- The stones of a wood burning sauna stove should be at least 10 cm in diameter.

Wood burning heaters

KARHU

Code	Model	Sauna size (m^3)	Output (kw)	Heater plate x depth x height (mm)	Safety distance from heater to flammable material (mm)				Sauna height (mm)
					In front	To the side (from the tank)	Behind	Above	
289001	KARHU 007 PK	6-8	16	370 x 460 x 615	500	400	400	1400	2100*
289002	KARHU 12 PK	8-12	18.2	415 x 485 x 715	500	400	400	1383	2100*
289006	KARHU 16 PK	12-18	19.9	445 x 485 x 780	500	400	400	1370	2300*
289010	KARHU 18 PK ES	12-18	19.9	435 x 695 x 780	500	400	400	1370	2300*
289011	KARHU 20 PK	13-20	21.6	480 x 480 x 790	500	400	400	1357	2300*
289014	KARHU 20 PK JK	13-20	21.6	480 x 480 x 790	500	400	400	1357	2300*
289017	KARHU 27 PK	20-27	24.7	480 x 480 x 920	500	400	400	1333	2300*
289021	KARHU 27 PK ES	16-24	24.7	480 x 695 x 915	500	400	400	1333	2300*
289022	KARHU 37 PK	25–30,5**	29	580 x 580 x 920	500	400	400	1300	2300*
289012	KARHU 20 PK VO	13-20	21.6	670 x 480 x 790	500	400/150***	400	1357	2300*
289018	KARHU 27 PK VO	20-27	24.7	670 x 480 x 920	500	400/150***	400	1333	2300*
289023	KARHU 37 PK VO	25–30,5**	29	750 x 580 x 920	500	400/150***	400	1300	2300*
289013	KARHU 20 PK VV	13-20	21.6	670 x 480 x 790	500	400/150***	400	1357	2300*
289019	KARHU 27 PK VV	20-27	24.7	670 x 480 x 920	500	400/150***	400	1333	2300*
289024	KARHU 37 PK VV	25–30,5**	29	750 x 580 x 920	500	400/150***	400	1300	2300*
089650	KASTOR KARHU-PATA	–	15	410 x 570 x 775	500	500	500	1000	–

*Under sauna height protective plate must be used on the ceiling. **Also suitable for larger saunas 37 m3. ***150 mm on water tank side.

Explanations

VO = Water tank on the right side seen from the door.
VV = Water tank on the left side seen from the door.
JK = Small door, through the wall, tunnel model.
ES = Water tank in the front.

KARHU 12 PK, KARHU 20 PK, KARHU 27 PK and KARHU 37 PK are equipped with adjustable front legs.

Front frame width x height (mm)	Extension neck x height x (length) (mm)	Water tank (l)	Flue opening Ø (mm)	Chimney diameter Ø (mm)	Rear flue opening height the from floor (mm)	Distance from centre of upper flue opening to back edge (mm)	Weight without stones (kg)	Stone capacity (kg)	Model
–	–	–	115	115	420	115	44	15-18	KARHU 007 PK
–	–	–	129	130	473	135	61	35-40	KARHU 12 PK
–	–	–	129	130	505	135	70	40-45	KARHU 16 PK
–	–	26	129	130	505	135	76	40-45	KARHU 18 PK ES
–	–	–	129	130	510	135	76	45-50	KARHU 20 PK
375 x 450	275 x 410 (185)	–	129	130	–	135	79	45-50	KARHU 20 PK JK
–	–	–	129	130	650	135	84	55-60	KARHU 27 PK
–	–	26	129	130	650	135	92	55-60	KARHU 27 PK ES
–	–	–	129	130	650	135	124	85-90	KARHU 37 PK
–	–	28	129	130	510	135	81	45-50	KARHU 20 PK VO
–	–	28	129	130	650	135	88	55-60	KARHU 27 PK VO
–	–	28	129	130	650	135	129	85-90	KARHU 37 PK VO
–	–	28	129	130	510	135	81	45-50	KARHU 20 PK VV
–	–	28	129	130	650	135	88	55-60	KARHU 27 PK VV
–	–	28	129	130	650	135	129	85-90	KARHU 37 PK VV
–	–	60	115	115	593	95	41	–	KASTOR KARHU-PATA

Good to know

- Visible tile and glass surfaces increase the cubic volume by 3 m3 per each tile wall or single glass wall square metre exceeding 2 m2.
- If the sauna has uninsulated log walls, 25 % should be added to the volume. If in between sizes, always choose the larger sauna stove model.
- The stones of a wood burning sauna stove should be at least 10 cm in diameter.

Fireplaces

Model	Room volume max (m³)	Output (kW)	Width x Depth x Height (mm)	Safety distance from fireplace (mm)				Flue opening (mm)	
				Front	Side	Behind	Above		
MELODY SWING	230	7	556 x 405 x 935	1000	400*	300	600	129	
MELODY 920	230	7	616 x 402 x 935	1000	400*	300	600	129	
MELODY 920 STEEL	230	7	550 x 402 x 935	1000	400*	300	600	129	
MELODY 1150	230	7	616 x 402 x 1120	1000	400*	300	600	129	
OPERA ROSSO	250	10	640 x 505 x 1315	1000	400*	250	800	129	
OPERA NERO	250	10	640 x 505 x 1315	1000	400*	250	800	129	
TANGO	200	6	520 x 525 x 1425	1000	400	250	600	129	
BRAVO SOAPSTONE	230	6	630 x 530 x 1140	1000	250	250	600	129	

*Safety distance from the body without a stone panel, with a panel 250 mm. **Safety distance from side glass 500 mm.

Modular chimneys

Model	Internal pipe (mm)	Inner diameter (mm)	Outer diameter (mm)	Safety distance (mm)	
KASTOR KC MODULE CHIMNEY 130	1	130	250	50	
KASTOR KC MODULE CHIMNEY 150	1	150	270	50	

Outer mantle available in colours RST and painted in black.. Internal pipe acid resistant.
Lengths of parts 250 mm, 500 mm and 1,000 mm. Useful lengths 190 mm, 440 mm, 940 mm.

Chimney set

Model	Internal pipe (mm)	Inner diameter (mm)	Outer diameter (mm)	Safety distance (mm)	Heat class	CE approval	Weight (kg/m)
CHIMNEY SET-130	1	130	250	50	T600	Yes	(approximately) 11

Outer mantle RST. Internal pipe acid resistant.

Kastor Chimney Set:
Insulated part 2,000 mm.
Insulated part extendable max. up to 5 metres.

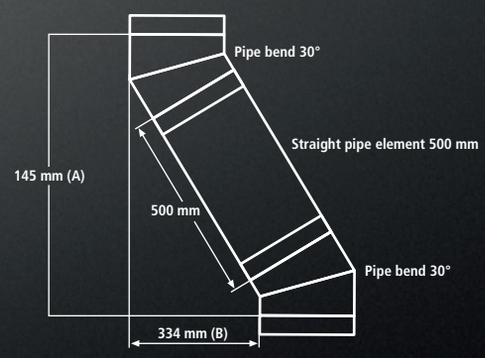
Kastor Chimney Set includes:
Uninsulated connecting pipe, insulated part, rain cap, rain collar, ceiling plate (inclination 0-30°).

Distance of top flue opening: from rear edge to centre of flue opening (mm)	Top flue opening: Distance from rear edge to centre (mm)	Distance between rear flue opening's lower edge and floor (mm)	Module chimney from back and top (mm)	Weight including back stones in brackets (kg)	Model
205	202	723	KC Ø 130	204 (226)	MELODY SWING
205	202	723	KC Ø 130	287 (307)	MELODY 920
205	202	723	KC Ø 130	86	MELODY 920 STEEL
723	202	723	KC Ø 130	344 (366)	MELODY 1150
150	150	1050	KC Ø 130	210	OPERA ROSSO
150	150	1050	KC Ø 130	210	OPERA NERO
192	192	1152	KC Ø 130	160	TANGO
210	210	920	KC Ø 130	270	BRAVO SOAPSTONE

Heat class	Weight (kg/jm)	CE approval	Model
T600	approximately 11 kg	Yes	KASTOR KC MODULE CHIMNEY 130
T600	approximately 13 kg	Yes	KASTOR KC MODULE CHIMNEY 150

Model	Length of straight pipe element [A] (mm)	Lateral movement [B] (mm)	Rise (mm)	Angle of pipe bend
LATERAL MOVEMENT				
2 x pipe bend	–	116	371	30°
2 x pipe bend + straight pipe element 250	250	209	532	30°
2 x pipe bend + straight pipe element 500	500	334	749	30°
2 x pipe bend + straight pipe element 1000	1000	584	1182	30°

Lateral movement with straight pipe element 500 mm



CE

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KASTOR

Follow your fire

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